BRUHAT BANGALORE MAHANAGARA PALIKE

Yelahanka Zone, Electrical Division

Detailed Estimate for Providing Aerial Bunch Cable and additional Street lighting to major roads by using released tubular poles to Byatarayanpura Constituency area in Ward No-5 to 11

Budget Head:-P1517

Ward No.5 to 11 Estimate No 8A For Rs.6,00,000.00

Sl No	Description Of Work	Qty	Rate	Unit	Amount
	KPWD (elect) SR 2010-11				
1 41/38	Fabricating supplying and and mounting MS box made out ..... SWG suitable for floor/ wall mounting , fully weather proof with provision for better heat dissipation, provided with hinged fron cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., compleate , b) 16SWG,	23600	0.33	Sqcm	7788.00
2 43/45	Supplying and fixing Microprocessor based Astronomical timer switch with using necessary bolts, nuts and washers etc.,	1	7515.00	Each	7515.00
3 34/8	Supplying and fixing of 4 pole power contactor with NO/ NC contacts on existing wood/panel board using necessary bolts,nuts,washers and wiring etc,complete.with AC-3 rating as per IS-13947,c) 60-70 Amps ,	3	3865.00	Each	11595.00
4 36/12	Supplying and fixing Miniature circuit breakers over the existing MCB distribution boards using necessary fixing materials and 'C' type curve,indicator On/OFF Energy cross -3 with short circuit breaking capacity of 10K and complete wiring as required. Make: ABB, Seimens, Legrand, L&T, MG f) 40-63 Amps TPN 1) Group 'A'	3	1495.00	Each	4485.00
5 34/9	Supplying and fixing Moulded Case Circuit Breaker (MCCB) Over the existing wood/panel board using necessary screws, bolts, nuts and wiring thermal Magnetci Microprocessed release and Earth Fault as per IS-13947. (Icu=Ics)THREE POLE a) 100 Amps 25 kA,1) Group 'A'	1	3660.00	Each	3660.00
6 32/3	Supplying and fixing of porcelain fuse channel with cut out on existing wooden/panel using necessary nuts bolts and washer etc, complete c) 63 Amps	3	219.00	Each	657.00
7 70/10	Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc d. 35 Sqmm	1	313.00	Each	313.00
8 41/37	Supplying and fixing angle iron frame work fabricated out of M.S angle iron... and M.S. flat... with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint. . (32.9a) a) 40x40x6mm	10	240.00	Rmtr	2400.00

9 69/4	Supplying of LT UG cable having aluminium conductor PVC insulated, sheathed, galvanized, steel wire/steel tap armoured cable with PVC outer sheathing 1.1KV Class I. Class 'A' PVC Cable d) 4 core 16sqmm	75	150.00	Per Mtr	11250.00
	f) 3.5 core 35sqmm	30	250.00	Per Mtr	7500.00
10 69/5	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe/ stoneware pipe/ on wall/ on pole as required. I. In existing trench /duct. a) 6sqmm to 16 sqmm	75	8.00	Rmtr	600.00
	b) 25 sqmm to 75 sqmm	30	11.00	Rmtr	330.00
11 70/6	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete. (As per Civil SR KSRB 1-2, P-7)b. In hard Soil	80	50.00	Rmtr	4000.00
12 9/20	Wiring for lighting/power circuit using one of PVC insulated 1100v grade, multistrand Copper conductor single core cable in open or consealed system of wiring.I Group A .c) 2.5 sqmm	100	25.00	Per Mtr	2500.00
13 75/24	Supplying and fixing of Hot dip Galvanized M.S.Bracket suitable for out door luminaries and shall be mounted on Octogonal pole using necessary bolts, nuts, etc., complete. b) Single Arm Bracket with 1500 mm Standard	1	2200.00	Each	2200.00
14 70/9	Supplying and fixing of class A (medium duty) GI pipe of wall thick ness not less than 3.25 mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class . a. 40 mm	5	240.00	Rmtr	1200.00
15 53/50	Supplying and fixing of HPSV lamps on existing fitting mounted on tubular pole c)250 Watts	8	809.00	No	6472.00
16 54/60	Supplying and fixing/replacement of ignitor suitable for 70 to 400 watts SV/MH fittings a) Group A	8	520.00	No	4160.00
17 53/47	Supply and fixing of 400 Watts heavy duty open construction ferromagnetic copper ballast for HPMH lamps c)250 Watts 1. Group A	8	1185.00	No	9480.00
18	Casting of suitable foundation for the Octagonal Pole including designing and cost of all materials like Anchor plates,Template and washers labour charges, all other incidental charges etc,. complete as per specification and Drawing given in KPWD elect SR 2010-11(P.No 103) Detailed Calculation as per CIVIL SR items Enclosed.	8	4929.74	Each	39437.92
19	Hire Charges Components for Tractor 50 HP ,Sl no 20, Page No XXXIV, KPWD SR CIVIL 2010-11	1	2240.00	Day	2240.00
20	Hire Charges Components for Crane Charges ,Sl no 66, Page No XXXVI, KPWD SR CIVIL 2010-12	2	3200.00	Day	6400.00
21	Supplying and Fixing 4 Nos of 590 mm length High Yield Tensile Cold Rolled Pitched threads (680 N/sq mm) 27 mm Bolt dia (Mkt Rate)	8	1350.00	Nos	10800.00
BESCOM S.R Rates					
22 11/44.1	LT 3 phase 5 wire Aerial Bunched Cable of size 3X25+1X16+1X25+1X35 sqmm (Standard Stock materials 2009-10) Rs 81450/ Kmt	3250	81.45	P/Mtr	264712.50

23 13/253	Striniging of 1.1 KV grade aerial bunched 3 core cable of XLPE insulation standard aluminium conductor standard around a weather resistant black XLPE insulated AAA messanger wire (3X 50 Sq mm + 1X 16 sqmm + 1X 50 Sqmm + 1X 35 sqmm) 2.(3 X95) (for phase Conductor)+ (1X 50)(insulated messanger neutral)+(1X16)(Labour charges 2010-11) Rs 8961/Kmt	3250	8.96	P/Mtr	29123.25
24 9/281	Piercing connector suitable 16 Sqmm - 95 Sqmm AB cable service connections (Standard Stock materials 2010-11)	230	210.00	Nos	48300.00
25 9/286	Dead End Clamp/ Anchor clamps assembly 25 to 95 sqmm bear messanger (Standard Stock materials 2010-11)	6	140.00	Nos	840.00
26 9/287	suspension clamp assemblly 25 to 95 sqmm bear messanger (Standard Stock materials 2010-11)	115	280.00	Nos	32200.00
27 13/255	Errection of suspension clamp 25 to 95 sqmm bear messanger (Labour charges 2010-11)	115	85.00	Nos	9775.00
28 13/256	Errection of Anchor clamp 25 to 95 sqmm bear messanger (Labour charges 2010-11)	6	85.00	Nos	510.00
29 13/261	Istallation of insulation piercing connector for main to street light Main: 16 -95 sqmm,Tap: 1.5-10 sqmm (EP 95)	230	40.00	Nos	9200.00
30 120/13.15	Releasing and Refixing of SV: Fixing and wiring as SV/MV light fittings with suitable clamps brackets, lamps bolts and nuts using departmental material Labour charges for releasing of material shall be at 90 % of the cost of erection . Rate of fixing is Rs.306.00 =0.9 X 306.00=275.4 Bescom SR Labour Charges Sl.no-120 P.No- 13.15	100	581.40	Set	58140.00
31	Miscellaneous				216.33
	TOTAL				**600000.00**

CERTIFICATE :-

1. The place was inspected and the work is essential.
2. The provision made in the estimate are adequate and necessary and the work comes in the BBMP limit and is legitimate Charges on the BBMP funds.
3. The estimate is based on KPWD (Ele) S.R.2010-11 Rates.and BBMP Approved rates

Jr. Engineer (Elecl) /Asst Eng

Asst. Executive Engineer (Elecl)
Yelahanka Zone, BBMP

EXECUTIVE ENGINEER (ELECL)
Yelahanaka Zone, BBMP

TECHNICALLY SANCTIONED FOR Rs. 6=00 Lakhs
Rupees Six Lakhs only
POW- 2012-13
Under P- Code. 1517
Registered as EE ( ) No. 84/2012-13
Subject to conditions contained in
enclosed memo EE ( ) No. JC/YZ/AS/1113/12-13
Dt. 20-3-2013 Estimate A/ Sanctioned
EE(ELE)/YZ/TS/68/12-13
Dated Rs. 6=00 Lakhs

Executive Engineer

ADMINISTRATIVELY SANCTIONED FOR Rs. 6.00 lakhs
Rupees Six lakhs only
Under POW - 2012-13
P code 1517
Registered as EE ( ) No. 84/2012-13
Subject to conditions contained in
enclosed memo EE ( ) No /9/....
Dt Estimate A/Sanctioned
JC/YZ/AS/1113/2012-13
dated 20/3/2013 Rs. 6.00 lakhs

Joint Commissioner 20/3/13
(Yelahanka Zone)
BBMP. Bengaluru-92